

CALIFORNIA ENERGY COMMISSION

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Staff Supplement to CASE Report #2016-RES-ENV2-F

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Subject: Residential High Performance Walls 2016-RES-ENV2-F

DESCRIPTION OF PROPOSED REGULATORY CHANGES

CASE report #2016-RES-ENV2-F, titled, Residential High Performance Walls proposes to make the following changes to the Standards:

- Modify Section 150.1(c)B (Performance and Prescriptive Compliance Approaches for Newly Constructed Residential Buildings - Insulation: Walls) of the Standards by changing the prescriptive U-factors required in Table 150.1-A to U-0.051 for climate zones 1-5 and 8-16.
- Add data in JA4.3 Walls for the rated R-value of continuous insulation up to R-10 to reflect the updated Standards language

Staff agrees with the proposed changes to Section 150.1(c)B, JA4.3, and has incorporated substantively similar changes into the proposed Express Terms.

STAFF ANALYSIS AND CONCLUSION

Staff has analyzed the submitted CASE report and reached the following conclusions for the measures included in the Express Terms:

- Based on the evidence presented in the CASE Report, the measures, as proposed, appear to be cost effective and the author appears to have appropriately followed the Energy Commission's Life Cycle Cost methodology.
- Measure costs premiums presented in the CASE Report appear reasonable and appropriate for the measure proposed.
- Measure energy savings presented in the CASE Report appear to have been appropriately modeled and appear credible.

- Measure environmental impacts presented in the CASE Report appear reasonable and appropriate for the measure proposed.